

-continued

(1) SEQUENCE DESCRIPTION: SEQ ID NO:1:

```

ACUCUCUCC  GCAUCGCUGU  CUGCGAGGGC  CAGCUGUUGG  GCUCGCGGUU  GAGGACAAAC      60
UCUUCGCGGU  CUUCCAGUA  CUCUUGGAUC  GGAACCCGU  CGGCCUCCGA  ACGUACUCCG      120
CCACCGAGGG  ACCUGAGCGA  GUCCGCAUCG  ACCGGAUCGG  AAAACCUCUC  GAGAAAGGCG      180
UCUAACCAGU  CACAGUCGCA                                     200

```

(2) INFORMATION FOR SEQ ID NO:2:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 33 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: mRNA

(1) SEQUENCE DESCRIPTION: SEQ ID NO:2:

```

ACUCUCUCC  GCAUCGCUGU  CUGCGAGGGC  CAG                                     33

```

(2) INFORMATION FOR SEQ ID NO:3:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 12 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(1) SEQUENCE DESCRIPTION: SEQ ID NO:3:

```

AGCTTTGATC  AG                                     12

```

(2) INFORMATION FOR SEQ ID NO:4:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 12 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(1) SEQUENCE DESCRIPTION: SEQ ID NO:4:

```

GCACCTGATC  AA                                     12

```

(2) INFORMATION FOR SEQ ID NO:5:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(1) SEQUENCE DESCRIPTION: SEQ ID NO:5:

```

GTGATCAA                                     8

```

(2) INFORMATION FOR SEQ ID NO:6:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

72

-continued

(1 i) MOLECULE TYPE: DNA (genomic)

(x i) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GATCTTGATC ACTGCA

16

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1 i) MOLECULE TYPE: DNA (genomic)

(x i) SEQUENCE DESCRIPTION: SEQ ID NO:7:

CGGATCCG

8

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1 i) MOLECULE TYPE: DNA (genomic)

(x i) SEQUENCE DESCRIPTION: SEQ ID NO:8:

CGGATCCG

8

(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 287 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1 i) MOLECULE TYPE: DNA (genomic)

(x i) SEQUENCE DESCRIPTION: SEQ ID NO:9:

AATTCACGCT GTGGTGTAT GGTGGGTGGT CGCTAGGGTG CCGACGCGCA TCTCGACTGC	60
ACGGTGACAC AATGCTTCTG GCGTCAGGCA GCCAATCGGA AGCTGTGGTA TGGCTGTGCA	120
GGTCGTATAA TCACCGCATA ATTCGAGTCG CTCAAGGCGC ACTCCCGTTC CGGATAATGT	180
TTTTTGCTCC GACATCATAA CGGTTCCGGC AAATATTCTG AAATGAGCTG TTGACAATTA	240
ATCATCGAAC TAGTTAACTA GTACGCAAGT TCTCGTAAAA AGGGTAT	287

(2) INFORMATION FOR SEQ ID NO:10:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 285 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1 i) MOLECULE TYPE: DNA (genomic)

(x i) SEQUENCE DESCRIPTION: SEQ ID NO:10:

CGATACCCCT TTTACGAGAA CTTGCGTACT AGTTAACTAG TTCGATGATT AATTGTCAAC	60
AGCTCATTTT AGAATATTG CCGGAACCGT TATGATGTCT GAGCAAAAAA CATTATCCGG	120
AACGGGAGTG CGCCTTGAGC GACTCGAATT ATGCGGTGAT TATACGACCT GCACAGCCAT	180
ACCACAGCTT CCGATTGGCT GCCTGACGCC AGAAGCATTG GTGCACCGTG CAGTCGAGAT	240

73

-continued

GCGCGTCGGC ACCCTAGCGA CCACCGACCA TAACACCACA GCCTG

285

(2) INFORMATION FOR SEQ ID NO:11:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(x 1) SEQUENCE DESCRIPTION: SEQ ID NO:11:

CCATATGG

8

(2) INFORMATION FOR SEQ ID NO:12:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(x 1) SEQUENCE DESCRIPTION: SEQ ID NO:12:

CCATATGG

8

(2) INFORMATION FOR SEQ ID NO:13:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(x 1) SEQUENCE DESCRIPTION: SEQ ID NO:13:

CGTTAACG

8

(2) INFORMATION FOR SEQ ID NO:14:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(x 1) SEQUENCE DESCRIPTION: SEQ ID NO:14:

CGTTAACG

8

(2) INFORMATION FOR SEQ ID NO:15:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 36 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(x 1) SEQUENCE DESCRIPTION: SEQ ID NO:15:

GGGAAGTGCT GTGAAATATC CACCTGCGGC CTGAGA

36

(2) INFORMATION FOR SEQ ID NO:16:

74

-continued

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 46 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1 1) MOLECULE TYPE: DNA (genomic)

(* 1) SEQUENCE DESCRIPTION: SEQ ID NO:16:

CTAGAGGOTA TTAATAATGT ATCGATTAA ATAAGGAGGA ATAACA

46

(2) INFORMATION FOR SEQ ID NO:17:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 44 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1 1) MOLECULE TYPE: DNA (genomic)

(* 1) SEQUENCE DESCRIPTION: SEQ ID NO:17:

TATGTTATTC CTCCTTATTT AAATCGATAC ATTATTAATA CCCT

44

(2) INFORMATION FOR SEQ ID NO:18:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 22 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1 1) MOLECULE TYPE: DNA (genomic)

(* 1) SEQUENCE DESCRIPTION: SEQ ID NO:18:

GATCTATTAA CTCAATCTAG AC

22

(2) INFORMATION FOR SEQ ID NO:19:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 22 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1 1) MOLECULE TYPE: DNA (genomic)

(* 1) SEQUENCE DESCRIPTION: SEQ ID NO:19:

TCGAGTCTAG ATTGAGTTAA TA

22

(2) INFORMATION FOR SEQ ID NO:20:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 872 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1 1) MOLECULE TYPE: DNA (genomic)

(* 1) SEQUENCE DESCRIPTION: SEQ ID NO:20:

AAGCITTTTCT CATTAAAGGA AGATTTCCCC AGGCAGCTCT TTCAAGGCCT AAAAGGTCCA
 TGAAGTCCAT GGATTCCTCC CTGTTAAGAA CTTTATCCAT TTTTGCAAAA ATTGCAAAAAG
 AATAGGGATT TCCCCAAATA GTTTTGCTAG GCCTCAGAAA AAGCCTCCAC ACCCTTACTA
 CTTGAGAGAA AGGGTGGAGG CAGAGGCGGC CTCGGCCTCT TATATATTAT AAAAAAAAAAG
 GCCACAGGGA GGAGCTGCTT ACCCATGGAA TGCAGCCAAA CCATGACCTC AGGAAGGAAA

60

120

180

240

300

75

-continued

GTGCATGACT	CACAGGGGAA	TGCAGCCAAA	CCATGACCTC	AGGAAAGGAA	GTGCATGACT	360
CACAGGGAGG	AGCTGCTTAC	CCATGGAATG	CAGCCAAACC	ATGACCTCAG	GAAAGGAAAGT	420
GCATGACTGG	GCAGCCAGCC	AGTGGCAATT	AATAGTGAAA	CCCCGCCGAC	AGACATGTTT	480
TGCGAGCCTA	OGAATCTTGG	CCTTGTCCCC	AGTTAAACTG	GACAAAGGCC	ATGGTTCTGC	540
GCCAGGCTGT	CCTTCGAGCG	GTGTTCCGCG	GTCTCTCTCG	TATAGAAACT	CGGACCACTC	600
TGAGACGAAO	GCTCGCGTCC	AGGCCAGCAC	GAAGGAGGCT	AAGTGGGAGG	GGTAGCGGTC	660
GTTGTCCACT	AGGGGGTCCA	CTCGCTCCAG	GGTGTGAAGA	CACATGTCGC	CCTCTTCGGC	720
ATCAAGGAAG	GTGATTGGTT	TATAGGTGTA	GGCCAGACCG	GGTGTTCCTG	AAGGGGGGCT	780
ATAAAAGGGG	GTGGGGGCGC	GTTCGTCTTC	ACTCTCTTCC	GCATCGCTGT	CTGCGAGGGC	840
CAGCTGATCA	GCCTAGGCTT	TGCAAAAAGC	TT			872

(2) INFORMATION FOR SEQ ID NO21:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 643 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(x i) SEQUENCE DESCRIPTION: SEQ ID NO21:

AAGCTTTTCT	CATTAAAGGA	AGATTTCCCC	AGGCAGCTCT	TTCAAGGCCT	AAAAGGTCCA	60
TGAGCTCCAT	GGATTCTTCC	CTGTTAAGAA	CTTTATCCAT	TTTTGCAAAA	ATTGCAAAAAG	120
AATAGGGATT	TCCCCAAATA	GTTTTGCTAG	GCCTCAGAAA	AAGCCTCCAC	ACCCTTACTA	180
CTTGAGAGAA	AGGGTGGAGG	CAGAGGCGGC	CTCGGCCTTC	TTATATATTA	TAAAAAAAAA	240
GGCCACAGGG	AGGAGCTGCT	TACCCATGGA	ATGCAGCCAA	ACCATGACCT	CAGGAAGGAA	300
AGTGCATGAC	TCACAGGGGA	ATGCAGCCAA	ACCATGACCT	CAGGAAGGAA	AGTGCATGAC	360
TCACAGGGAG	GAGCTGCTTA	CCCATGGAAAT	GCAGCCAAAC	CATGACCTCA	GGAAGGAAAG	420
TGCATGACTG	GGCAGCCAGC	CAGTGGCAGT	TAATACAGGG	TGTGAAGACA	CATGTCGCCC	480
TCTTCGGCAT	CAAGGAAGGT	GAATTGGTTT	ATAGGTGTAG	GCCACGTGAC	CGGGTGTTC	540
TGAAGGGGGG	CTATAAAAGG	GGGTGGGGGC	GCGTTCGTCC	TCACTCTCTT	CCGCATCGCT	600
GTCTGCGAGG	GCCAATGATC	AGCCTAGGCT	TTGCAAAAAG	CTT		643

I claim:

1. A [The] recombinant human protein C molecule produced by inserting a vector comprising the DNA encoding human protein C into an adenovirus-transformed host cell then culturing said host cell under growth conditions suitable for production of said recombinant human protein C.
 2. The recombinant human protein C molecule of claim 1 wherein the adenovirus-transformed host cell is selected from the group consisting of AV12 cells and human embryonic kidney 293 cells.
 3. The recombinant human protein C molecule of claim 2 wherein the adenovirus-transformed host cell is an AV12 cell.
 4. The recombinant human protein C molecule of claim 2 wherein the adenovirus transformed host cell is a human embryonic kidney 293 cell.

CM

I 171,173

76